

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Hawkes

Confirmation No.:

Application No.:

Examiner:

Filing Date: Oct. 28, 2003

Group Art Unit:

Title: Simulation AT Two Different Levels of Complexity

Commissioner for Patents

PO Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

(X) under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)

() under 37 CFR 1.97(c) together with either a:
() Statement under 37 CFR 1.97(e), or
() a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)

() under 37 CFR 1.97 (d) together with a:
() Statement under 37 CFR 1.97(e)(1) or (2), and
() a \$180.00 fee set forth in 37 CFR 1.17(p).
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account 08-2025 the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25.

(X) Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

() A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

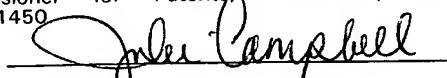
It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. EV269331529US

Date of Deposit Oct. 28, 2003

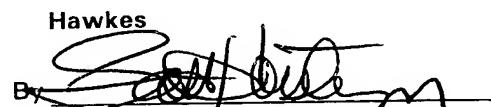
I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents Alexandria, VA 22313-1450

By



Typed Name: Julie Campbell

Respectfully submitted,

Hawkes


Scott A. Horstemeyer

Attorney/Agent for Applicant(s)
Reg. No. 34,183

Date: Oct. 28, 2003

Telephone No.: 770-933-9500

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		ATTY. DOCKET NO. 30018432-2	APPLICATION NO.	CONFIRMATION NO.
		APPLICANT Hawkes, et al.		
		FILING DATE Oct. 28, 2003	GROUP	

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
1A	20020128746	09/12/02	Boies, et al.	
1B				
1C				
1D				
1E				
1F				
1G				
1H				
1I				
1J				
1K				

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
1L					
1M					
1N					
1O					
1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q	(Internet Page) [4-22] Animats and Autonomous Agents", URL: http://www.faqs.org/faqs/ai-faq/general/part4/section-23.html
1R	(Conference Paper) "No Bad Dogs: Ethological Lessons for Learning in Hamsterdam", Blumberg B. M., Todd, P., M., Maes. From Animals to Animats, Proceedings of the Fourth International Conference on the Simulation of Adaptive Behavior. Cambridge, MA: MIT Press http://characters.media.mit.edu/Papers/sab96.pdf
1S	(Thesis) "Old Tricks, New Dogs: Ethology and Interactive Creatures" Bruce Mitchell Blumberg., http://web.media.mit.edu/bruce/Site01.data/tricks.pdf

EXAMINER

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	2L					
	2M					
	2N					
	2O					
	2P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

2Q	(Proceedings Paper) "Multi-Level Direction of Autonomous Creatures for Real-Time Virtual Environments", Blumberg B. M., Galyean T. A., pp. 47-54, Computer Graphics Proceedings, Annual Conference Series, 1995. http://web.media.mit.edu/bruce/Site01.data/siggraph95.pdf
2R	(Proceedings Paper) "A Layered Brain Architecture for Synthetic Creatures", Isla D., Burke R., Downie M., Blumberg B., Proceedings of IJCAI, Seattle, WA, August 2001. http://characters.media.mit.edu/Papers/ijcai01.pdf
2S	(Proceedings Paper) "Using an Ethologically-Inspired Model to Learn Apparent Temporal Causality for Planning in Synthetic Creatures", Burke R., Blumberg B., Proceedings of the First International Joint conference on Autonomous Agents and Multiagent Systems, AAMAS 2002. http://web.media.mit.edu/bruce/Site01.data/aa02-burke.pdf

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3L					
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3N					
3O					
3P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

3Q	(Trinity College Dublin ISG paper) "ALOHA: Adaptive Level of Detail for Human Animation, Towards a New Framework", Giang T., Mooney R., Peters C., O'Sullivan C. http://isg.cs.tcd.ie/petersc/pubs/aloha.pdf
3R	
3S	
EXAMINER	DATE CONSIDERED